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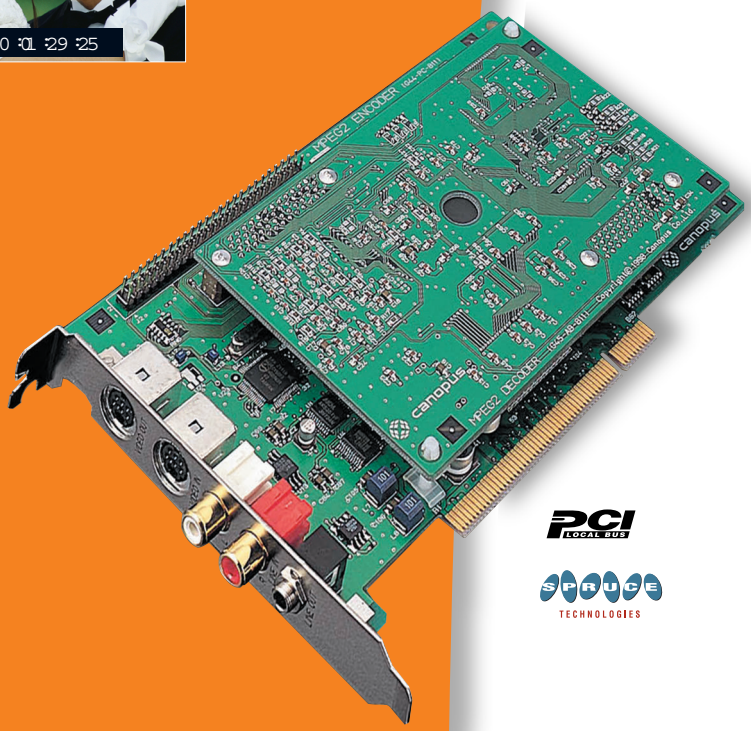
Real-time DVD-compatible MPEG-1 and MPEG-2 encoding with authoring

Amber
FOR DVD



Amber for DVD combines the real-time MPEG-1 and MPEG-2 encoding capabilities of Amber, with the power of Spruce DVDVirtuoso DVD-authoring software to provide a complete DVD-Video authoring solution.

Real-time MPEG encoding

The Amber hardware encodes MPEG-1 and MPEG-2 video in real-time using constant or variable bit rates. Furthermore, Amber supports MPEG Layer audio, and MP@ML IBBP MPEG-2 video, the same video format used on DVD-Video discs. With Amber, preparing your video production for DVD is fast and easy.

Powerful DVD authoring

The included DVDVirtuoso software from Spruce Technologies uses the same DVD authoring engine used by many Hollywood studios. Adding menus, subtitles, and chapter points is easy with the familiar timeline layout and built-in menu and subtitle editors. DVDVirtuoso gives you everything you need to put your video on DVD.

Amber Hardware Features:

- Windows 98, NT 4.0, and 2000 compatible
- Single PCI board
- High quality MPEG-2 video and audio capture up to 15 Mb/s
- Simultaneous high quality VGA video overlay and analog video output
- MPEG-2 D1, Half-D1, and MPEG-1 real-time encoding from S and composite sources
- Near real-time conversion of Canopus DV AVI files to MPEG
- Encodes I,P,B frames (DVD-compatible MP@ML encoding)
- MPEG Layer I and II audio encoding
- S and composite video input and output
- Stereo RCA audio input, stereo mini-jack audio output
- Video and audio locked in sync during capture and playback

DVDVirtuoso Authoring Software:

- Windows NT 4.0 compatible
- NTSC and PAL support
- One video track, two audio tracks, and two subtitle tracks
- 4:3 and 16:9 aspect ratio support
- Import MPEG-1 and MPEG-2 video
- Import 48 kHz PCM 16-bit, AC-3, and MPEG-1 (Layer I and II) audio
- Import Photoshop images for menus
- Up to 99 chapter points
- Up to 10 menus
- Built-in subtitle generator
- Built-in menu editor
- Navigation Simulation and real-time preview
- Write out to DVD-R or DLT
- DVD on CD creation
- Web-linking from DVD or DVD on CD

PCI LOCAL BUS

SPRUCE TECHNOLOGIES

canopus
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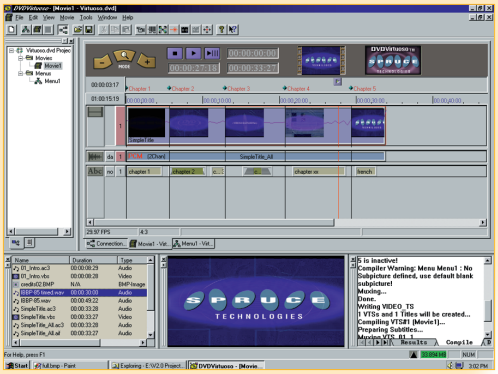
Specifications

Amber FOR DVD



Compile DVDs directly from Virtuoso

Add menus and subtitles

Amber for DVD provides the videographer with the tools to turn a video production into an interactive DVD video. Capture MPEG-1 and MPEG-2 video for DVD in real-time, then add menus, subtitles, and interactivity. Finally, compile the project for delivery on DVD-ROM or to take it to a replication facility for mass production.

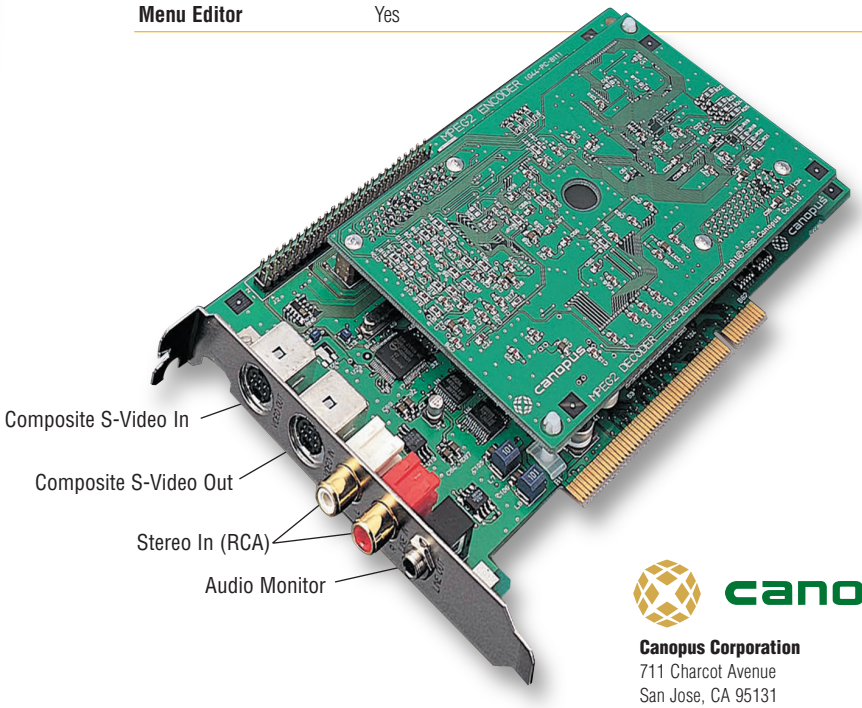
Minimum System Requirements:

- Free PCI slot (PCI 2.1compliant)
- Pentium® II 350 MHz or better
- Windows NT 4.0*
- Parallel printer port (for hardware protection device)
- 64MB RAM (or more)
- VGA card that supports DirectDraw overlay.

Recommended System Requirements:

- Pentium® II 450 MHz or better
- Windows NT 4.0
- Parallel printer port (for hardware protection device)
- 128 MB RAM (or more)
- DVD-R or DLT drive (for delivery of DVD content)
- VGA card with hardware assistance for DVD playback

Hardware	Bus mastering PCI card
Operating System	Windows NT 4.0*, Windows 98 & Windows 2000
Video Format	NTSC, PAL
Video Input and Output	Composite Video (RCA), S-Video (Mini-DIN); Canopus DV AVI to MPEG in near real-time
Capture Resolutions	NTSC 720x480, 352x480, 352x240;PAL 720x576, 352x576, 352x288
Video Compression	ISO/IEC 13818-2 MPEG-2, ISO/IEC 11172-2 MPEG-1
Audio Input	Stereo (RCA)
Audio Output	Stereo (mini-jack)
Audio Sampling Rates	32 kHz, 44.1 kHz and 48 kHz (all 16-bit)
Audio Compression	ISO/IEC 11172-3 layer I/II (Software compression); PCM WAV (uncompressed)
Audio Bit Rate	128, 160, 192, 224, 256, 320, 384 kb/sec.
Multiplex	ISO/IEC 13818-1 MPEG-2 program stream; ISO/IEC 11172-1 MPEG-1 system stream
IRQ Requirements	Uses one IRQ
Supported Video Chipsets	VGA card supporting DirectDraw overlay
Aspect Ratio	4:3, 16:9
Video Tracks	1
Audio Tracks	2
Subtitle Tracks	2
Subtitle Editor	Yes
Menus	10
Menu Editor	Yes



* DVDVirtuoso requires Windows NT 4.0

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